

ABSTRACT OF THE DISCLOSURE

A high torque turbine rotor for a lightweight hand held tool for grinding and polishing having a rotor that includes two  
5 separate high pressure air chambers separated by a common housing wall, each air chamber having peripheral air expelling nozzles in a tangential direction to the rotor periphery. The rotor housing is lightweight and increases torque without generally increasing the overall size and weight of the tool  
10 housing.